

ABSTRACT OF THE DISCLOSURE

Novel multi-binding compounds (agents) are disclosed which bind cell membrane transporters including ion channels, molecular transporters and ion pumps. The compounds of this invention comprise from 2 to 10 ligands each of which can bind to such cellular transporters to modulate the biological processes/functions thereof. Each of the ligands is covalently attached to a linker (framework) to provide for a multi-binding compound. The linker is selected such that the multi-binding compound exhibits increased modulation of the biological processes/functions of the transporter as compared to the aggregate of the individual ligand units made available for binding to the transporter.